

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : CALLEN et al.) Group Art Unit: N/A
Application No.: 10/517,546) Examiner: N/A
Filed: December 10, 2004) Atty. Docket No. 23003-0001
For: A CONTROL CIRCUIT AND A METHOD FOR ELECTRICALLY
CONNECTING A LOAD TO A POWER SOURCE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

The following are included with this Information Disclosure Statement:

- ☒ **A. PTO/SB/08**
- ☐ **B. CERTIFICATION**
(37 C.F.R. 1.97(c)-before final Office Action or allowance)
- ☐ **C. \$180.00 FEE PAYMENT**
(37 C.F.R. 1.97(c)-before final Office Action or allowance)
- ☐ **D. \$180.00 PETITION, CERTIFICATION & PETITION FEE
PAYMENT**
(37 C.F.R. 1.97(d)-before issue fee payment)

The following are submitted in the above-identified application in
compliance with 37 CFR 1.98:

- ☐ **I. A copy of each listed U.S. Patent and U.S. Patent application
publication [1.98(a)(2)(i)].**
- ☒ **II. A copy of each listed foreign patent and/or published foreign patent
application. For each listed foreign patent and/or published foreign
patent application [1.98(a)(2)]:**
 - ☒ a) the English language version or an English translation if not
published in English, if available (see PTO-1449)[1.98(a)(3)];
and/or

- ☐ b) U.S. counterpart patents or English language equivalents of the foreign patents or published foreign patent applications (see PTO-1449); and/or
- ☐ c) a concise explanation of the relevance of the listed patents, publications or other information (see PTO-1449, foreign search report or other, attached), as it is presently understood by the person signing this disclosure, since no English translation is currently available[1.98(a)(3)].
- ☐ III. A copy of each listed publication, other than published foreign applications. For each listed publication [1.98(a)(2)]:
 - ☐ (a) an English translation, if available, when the original publication is not in the English language (see PTO-1449)[1.98(a)(3)];
 - ☐ (b) a concise explanation of the listed publications (see PTO-1449), as it is presently understood by the person signing this disclosure, since no English translation is currently available [1.98(a)(3)].
- ☐ IV. For any other listed information, a copy of the information or that portion which caused it to be listed (see PTO-1449)[1.98(a)(2)(iii)].
- ☐ V. Each listed U.S. Patent, Publication or other information that was previously cited by or submitted to the Office in a prior application, which application is relied upon for an earlier filing date under 35 U.S.C. § 120 [1.98(d)].
- ☒ VI. Copies of each listed U.S. Patent and U.S. Patent application publication are not being submitted herewith pursuant to a waiver of 37 CFR 1.98(a)(2)(i) by the USPTO on July 11, 2003 for applications filed after June 30, 2003.

This information is submitted in the above-identified application in compliance with 37 C.F.R.1.97 because:

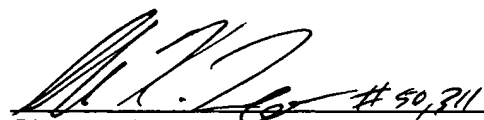
- ☒ 1. This information disclosure is submitted within three months of the filing date of the application, or before the mailing date of the first office action on the merits of the application [1.97(b)].
- ☐ 2. This information disclosure is submitted before the mailing date of a final action in this application under 1.113[1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below).

- ☐ 3. This information disclosure is submitted before the mailing date of a notice of allowance under 1.311 [1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below).
- ☐ 4. This information disclosure is submitted after the mailing date of a final action under 1.113 [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below).
- ☐ 5. This information disclosure is submitted after the mailing date of a notice of allowance under 1.311, but before the payment of the issue fee [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below).
- ☐ 6. This information disclosure statement is submitted with the statement required for items 2, 3, 4 or 5 above [1.97(c), (d), (e)]:
- ☐ I, **Shawn K. Leppo**, hereby state the following:
 - ☐ **Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.**
 - ☐ **No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this information disclosure was known to any individual designated in 1.56(c) more than three months prior to the filing of this information disclosure statement.**
- ☐ 7. This information disclosure statement is submitted with the fee of \$180 set forth in 1.17(p) [see items 2 and 3 above]. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059. (Please note, no fee is required for items 2 and 3 above if the Item 6 statement is provided).

- ☐ 8. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059.

Dated: March 10, 2005

Respectfully submitted,
McNees Wallace & Nurick LLC

A handwritten signature in black ink, appearing to read "Shawn K. Leppo", is written over a horizontal line. To the right of the signature, the number "# 50,311" is handwritten.

Shawn K. Leppo
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P.O. Box 1166
Harrisburg, PA 17108-1166

Phone: (717) 237-5218
Fax: (717) 237-5300

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Application Number	10/517,546
Filing Date	December 10, 2004
First Named Inventor	CALLEN et al.
Art Unit	N/A
Examiner Name	N/A
Attorney Docket Number	23003-0001

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	4	FR 2640441 A	06-15-1990	Soulie		
	5	CN 1 384 578	12-11-2002	Zhong Ruxiang		
	6	CN 1 384 577	12-11-2002	Zhong Ruxiang		
	7	CN 1 384 576	12-11-2002	Zhong Ruxiang		
	8	CN 1 384 575	12-11-2002	Zhong Ruxiang		
	9	SG 0086358 A1	02-19-2002	Hi Power System		

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

of 4

Attorne

Complete if Known

Application Number

10/517.546

Filing Date

December 10, 2004

First Named Inventor

CALLLEN et al.

Art Unit

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		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	10	KR 2041973 A	06-05-2002	LG Electronics		
	11	WO 96/27138	09-06-1996	Haefly Trench		
	12	EP 1 420 431 A1	05-19-2004	Mitsubishi		
	13	WO 02/052598	07-04-2002	ABB Schweiz		
	14	DE 101 20 189 A1	11-14-2002	Prodex Tech		
	15	CN 1350352 A	05-22-2002	Liu		

Examiner Signature		Date Considered	
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Sheet 3

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		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
	16	WO 01/50566 A1	07-12-2001	ABB Ricera		
	17	EP 0 952 653 A2	10-27-1999	Siemens AG		
	18	EP 1 241 698 A2	09-18-2002	Kopp Heinrich		
	19	EP 0 890 846 A2	01-13-1999	Circuit Breaker		
	20	EP 0 851 450 A2	07-01-1998	Maier & Cie		

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	21	EP 0 651 488 A1	05-03-1995	Circuit Breaker		
	22	JP 2002-133996	05-10-2002	Kawamura Elec.		
	23	JP 8163704	06-21-1996	Fujikura Ltd.		

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